# High Mobility Artillery Rocket System (HIMARS)

***Program Office: AFSS-HIMARS***
***Program Manager: Mr. Jim Westerholm***
***Deputy Program Manager: LtCol Kerry Gordon***

# CMC Quote

*"HIMARS will be our general support system for the commander, giving him the flexibility to weight the main effort, provide counterfire and shape his battlespace without pulling DS systems away from other units. HIMARS is a critical asset to shore up our paucity of ground fire support capabilities."* General James L. Jones

# Agenda

- Program Overview
- System Description
  - Example Battalion
  - Launcher
  - Re-Supply System
  - MLRS Family Of Munitions (MFOM)
- O&O Changes
- Fielding/Training Schedule
- Battery Locations
- Recent/Future Significant Events
- Point of Contact Information
- Questions

# System Description

- USMC HIMARS Program Is an Integrator of Three Principal End Items and Munitions. *One USMC HIMARS System Includes:*

  - A HIMARS Launcher Vehicle
    - Developer: US Army

6 per Battery

  - Two (2) Re-Supply Vehicles
    - Developer: USMC PM MT

12 per Battery

  - Two (2) Re-Supply Trailers
    - Developer: USMC PM MT

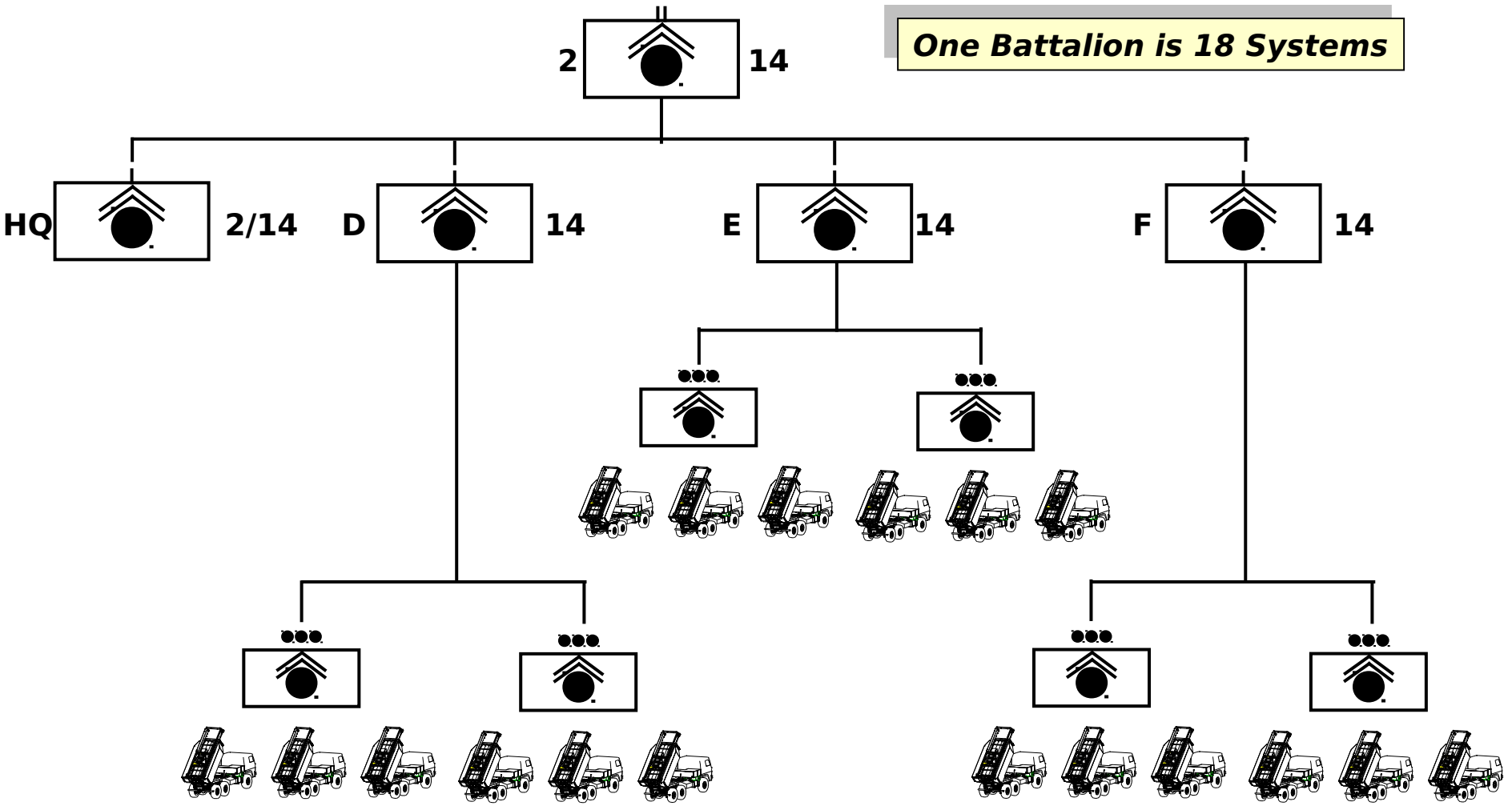
12 per Battery

  - Nine Pods of the Tactical MFOM
    - Developer: US Army

6 Rockets per Pod

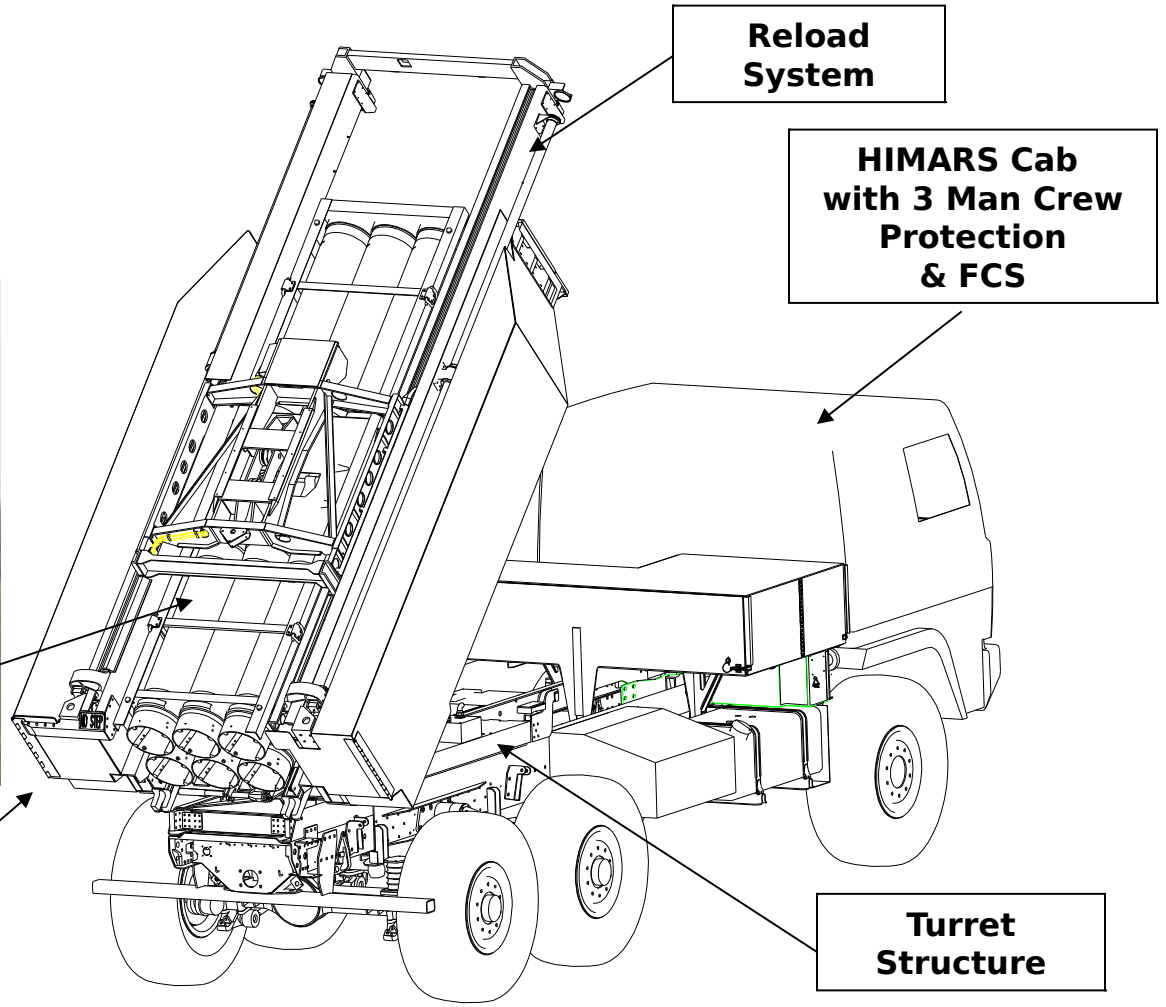
***Approved Acquisition Objective (AAO) is 40 Systems***

# USMC HIMARS Battalion Example



# System Description: HIMARS Launcher

- Launcher Consists Of
  - Chassis (FMTV)
  - Launcher Module
  - Fire Control System
  - 2 SINCGARS Radios
- Carries One Pod
- FSR Support Launcher Module

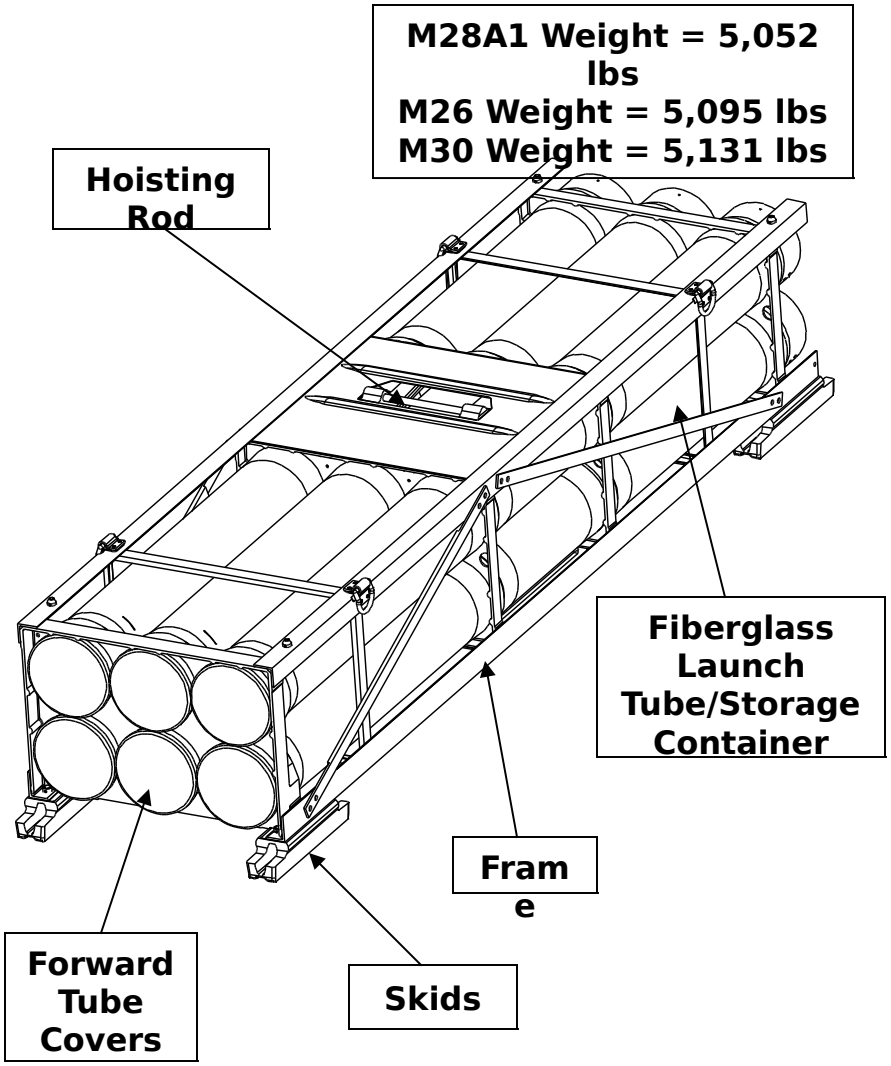


# Re-Supply System (RSS) Description

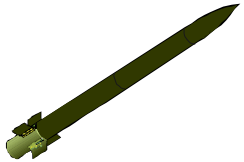
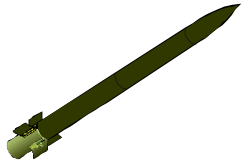
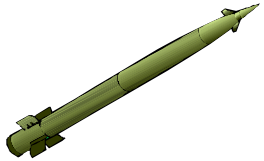
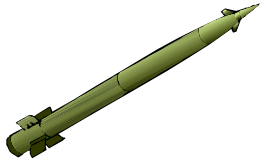
- Re-Supply System (RSS) = RSV + RST
- RSV Is a USMC MTVR Variant With Material Handling Equipment, Radio Mount, Machine Gun Mount
  - Capable of Carrying 2 Pods
  - Capable of Lifting and Transferring Pods Between RSV, RST, & Ground
- RST Will Be Capable of Carrying 2 Pods On/Off-Road
- Two RSSs per Launcher
- All “O” Level Maintenance Done By Operators
- FSR Support Intermediate (and Above) Maintenance (PM MT control)

# System Description: Rocket Pods (RPs)

- Fabricated from Six Fiberglass Composite Rocket Launch Tubes Bound by Aluminum Frame
- Rockets Supported by Detent System & Sabots
- Transportation Feet/Shock Skids
- RP Serves As Shipping, Storage, and Launch Container
- No Maintenance Required
  - Ends of Canisters Hermetically Sealed



# MLRS Family of Munitions (MFOM)

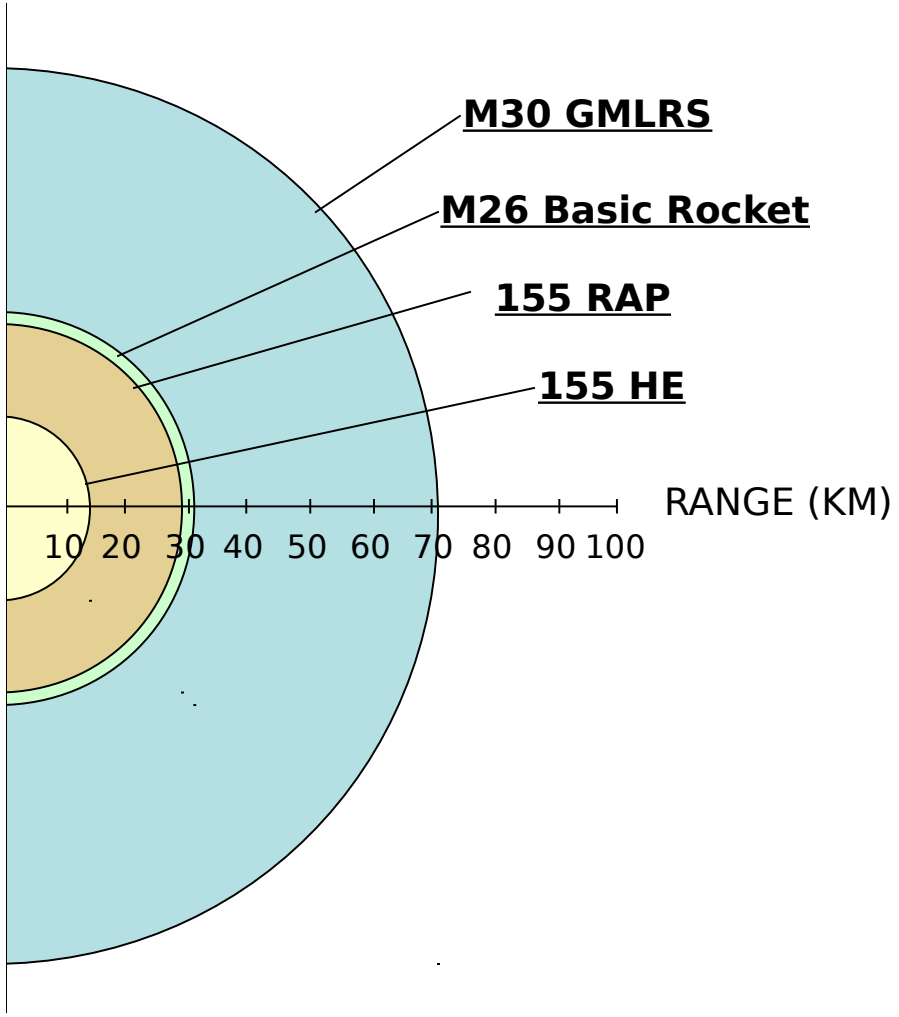





| | M28A1/A2 (RRPR) | M26 | M30 (GMLRS) | Unitary |
|---|---|---|---|---|
| **Range** | 8 - 15 Km | 8 - 32 Km | 60+ Km | 60+ Km |
| **Target Set** (Warhead) | Practice Rocket (None) | Soft Area (DPICM) | Soft Area/Point (DPICM) | Area/Point (HE) |

- M28A1/A2 RRPR: Used for Training
  - M28A1: Being Phased Out (Smoke Canister in Nose)
  - M28A2: Same motor as M26A1, No Smoke Canister
- M26: Tactical Munition to Provide Interim Capability (FY05-07)
  - Transfer Limited Quantities from Existing Army Stockpiles for Interim Capability
- M30 GMLRS DPICM: USMC Tactical Munition of Choice (Army FRP in FY05)
  - Developed by International Consortium with US Army as Lead
- M30 GMLRS Unitary (Block I): (Army FRP in FY08)
  - Attacks Different Target Sets
  - Three Fuze Settings: Time, PD, Delay

***MCCDC Derived Total Munitions Requirement (TMR) Drives Our MFOM Procurements***

# Munitions Coverage Comparison



# Operational & Organizational (O&O) Changes

**Original O&O Concept**

- *"The HIMARS will be fielded initially to **two battalions of the 14th Marine Regiment** and will deploy in support of Marine Air Ground Task Forces (MAGTFs) engaged in Sustained Operations Ashore (SOA)."*

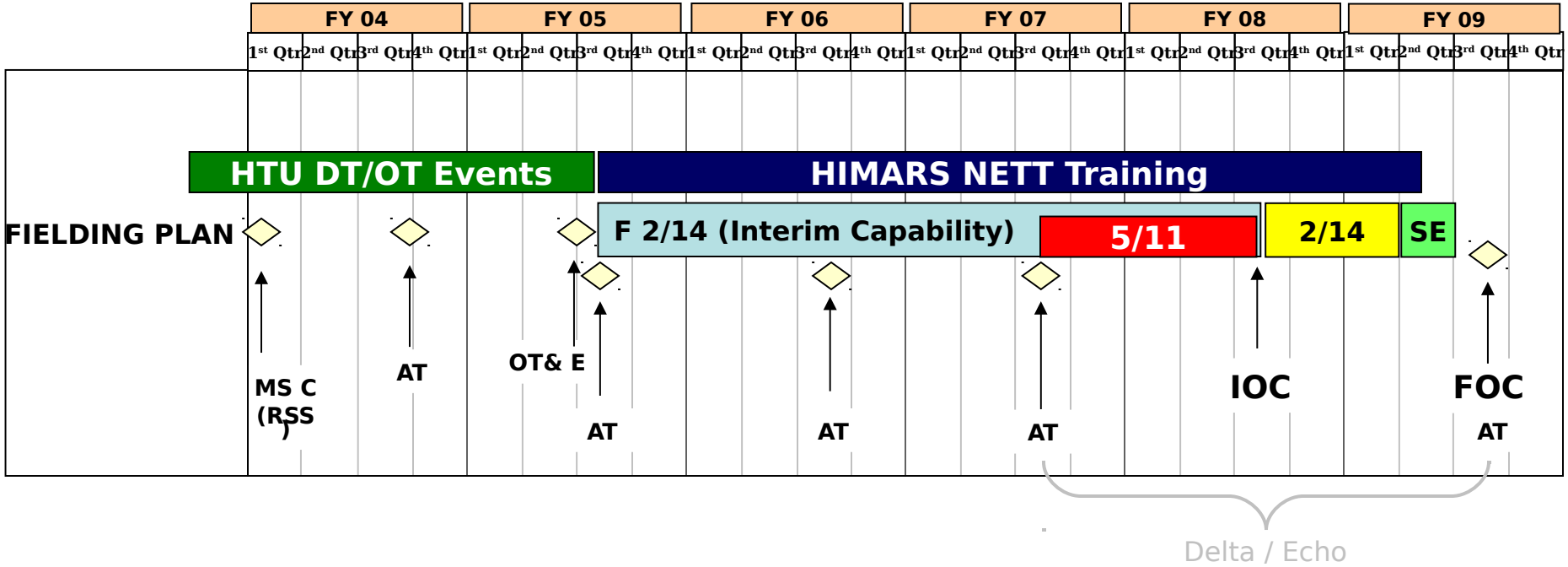
**Directed Change (Ground Board 2-03)**

- *"The HIMARS will be fielded to **one battalion of the 11th Marine Regiment and one battalion of the 14th Marine Regiment** and will deploy in support of Marine Air Ground Task Forces (MAGTFs) engaged in Sustained Operations Ashore (SOA)."*

**DC PP&O (Ltr dtd 22 Oct 03)**

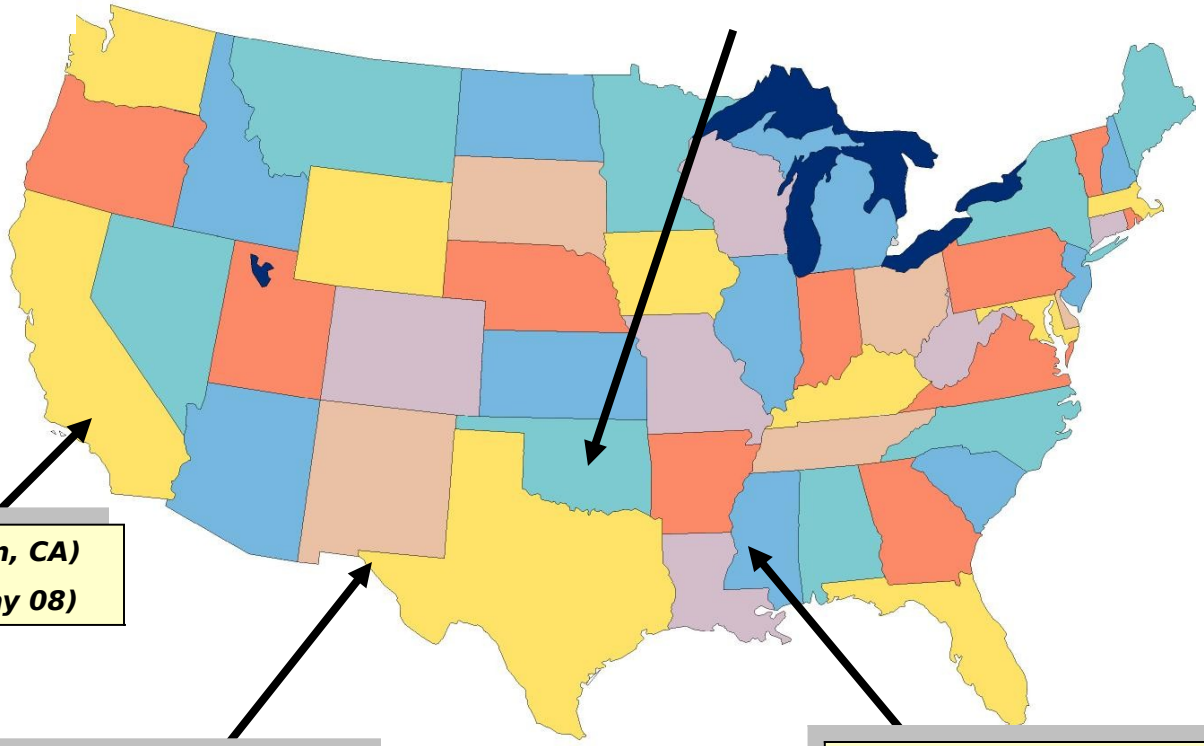
- *"Fielding to 5/11 will begin upon the completion of fielding to Battery "F", 2nd Battalion, 14th Marines….The remainder of 2/14 will be fielded upon completion of fielding to 5/11"*

# USMC HIMARS Fielding/Training Schedule




- *Fielding*
  - *F 2/14 - FY 05 (Interim Capability)*
  - *5/11 - FY 07-08 (IOC)*
  - *2/14 - FY 08 –09 (FOC)*
- *Training*
  - *Transition HTU to NET Team*
  - *Concurrent NET Training*
  - *24 Month Time Period To Train Delta and Echo (Lessons Learned)*

# HIMARS Unit Locations


Battery F, 2/14 (Oklahoma City, OK)
Fielding (Mar 05)
5/11 (Camp Pendleton, CA)
Fielding (May 07 – May 08)
Battery D, 2/14 (El Paso, TX)
Fielding (Jun 08-Aug 08)
Battery E, 2/14 (Jackson, MS)
Fielding (Sep 08- Dec 08)
University of Alabama

# Recent/Future Significant Events

- Jan 04 - Experimental TOCR Submitted/ Approved (Launcher Battery Only)
- Apr 04 - Conducted DOTMLPF IPT to Ensure All DOTMLPF Pillars Were On Track
- Apr 04 - Follow on Facilities Study at Camp Pendleton
- May 04 - HTU/F Battery Marines Fire M30 GMLRS Rockets at WSMR
- May 04 - RSS C-130 Demo (Fort Sill)
- May 04 - Next HIMARS TOCR Submission (includes HQ Batteries)
- Jun 04 - HTU Support Army Testing
- Jun 04 - Fox Btry 2/14 AT (Live Fire, 12 June/Ft Sill)
- Jul/Aug 04 - HIMARS Amphibious Demo (Camp Pendleton)
- Aug/Sept 04 - HTU Support Army OT&E (Launcher)
- Mar 05 - USMC RSS OT&E
- Sept/Oct 05 – Fox Battery Becomes USMC HIMARS Interim Capability

# POC Information

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# Questions